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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/647,391	08/26/2003	Nien-Lun Li	BHT-3230-66	1919

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TROXELL LAW OFFICE PLLC  
SUITE 1404  
5205 LEESBURG PIKE  
FALLS CHURCH, VA 22041

EXAMINER
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VERDIER, CHRISTOPHER M

ART UNIT	PAPER NUMBER
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3745

DATE MAILED: 08/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/647,391

Applicant(s)

LI ET AL.

Examiner

Christopher Verdier

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1 and 2 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 8-26-03 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

***Priority***

Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Taiwan on July 2, 2003. It is noted, however, that applicant has not filed a certified copy of the Taiwanese application as required by 35 U.S.C. 119(b).

***Specification***

The disclosure is objected to because it is replete with grammatical errors too numerous to mention in all instances. The following are several examples of defects. The specification should be carefully proofread for additional defects. Appropriate correction is required.

On page 1, last line, "the" (last occurrence) should be changed to -- a --.

On page 2, line 7, "comprising" should be changed to -- comprises --.

On page 2, line 11, -- the -- should be inserted after "as".

The specification contains numerous references to a vent (page 6, line 8, for example), which is unclear as to which element of the fan this is, because it appears to be the same element as the hole 11.

In the abstract, line 6, "shrink" should be changed to -- shrinks --.

***Examiner's Suggestions to Claim Language***

The following are suggestions to improve the clarity and precision of the claims:

In claim 1, line 1, "a" (first occurrence) may be deleted.

In claim 1, line 1, "rib" may be changed to -- ribs --.

In claim 1, line 3, -- the -- may be inserted after "and".

In claim 1, line 6, "rib" may be changed to -- ribs --.

***Claim Objections***

Claims 1-2 are objected to because of the following informalities: Appropriate correction is required.

In claim 1, line 7, "shrink" should be changed to -- shrinks --.

***Claim Rejections - 35 USC § 112***

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-2 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claim 1, line 1, "a vent" is unclear as to which element of the fan this is, because it appears to be the same element as the hole recited in line 2 and described in the specification as hole 11. In claim 1, lines 3-4, "with outside extension" is unclear because it is an incomplete phrase. It is unclear what the outside extension is relative to. In claim 1, line 4, "said pivot connects a fan blade" is unclear because it is incomplete. It is unclear if Applicant is intending to claim that the pivot is connected to the fan blade, or not.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-2, as far as they are definite and understood, are rejected under 35

U.S.C. 102(e) as being anticipated by Horng 6,561,762 (figures 4-8). Note the fan with air guiding ribs 2 comprising a frame body 1 having an unnumbered hole therein, a supporting part composed of a pivot 3 and the guiding ribs 2 extending outwardly from the pivot, the pivot connected to a fan blade 41, by means of the guiding ribs, with the supporting part being located on the inner end surface of the hole, the profile of the guiding ribs having an inclined plane (21, 22) that gradually shrinks from the end surface to the fan blade (figures 6-7). As seen in figure 8, the guiding ribs 2 are in a curved shape in response to a direction of air flow blown from the fan blade.

Claim 1, as far as it is definite and understood, is rejected under 35 U.S.C. 102(b) as being anticipated by Grignon 4,482,302 (figures 1-5). Note the fan with air guiding ribs 2 comprising a frame body 1 having a hole 9 therein, a supporting part composed of a pivot 3 and the guiding ribs 2 extending outwardly from the pivot, the pivot connected to a fan blade 7, by means of the guiding ribs, with the supporting part being located on the inner end surface of the hole, the profile of the guiding ribs having an inclined plane that gradually shrinks from the end surface to the fan blade.

***Prior Art***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hornig '862 is cited to show a fan with annular air guiding rings.

Harmsen is cited to show a fan with inclined ribs that taper; note that this reference could also have been applied as it anticipates claim 1, but is not applied at this time to avoid multiple rejections.

Chen and Papst are cited to show fans with curved air guiding ribs.

Heob is cited to show a fan with inclined air guiding ribs.

Chang is cited as it was mentioned by Applicants in the specification.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher Verdier whose telephone number is (571) 272-4824. The examiner can normally be reached on Monday-Friday from 10:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward K. Look can be reached on (571) 272-4820. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

C.V.  
August 3, 2005

  
Christopher Verdier  
Primary Examiner  
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